

## BIOGRAPHICAL SKETCH

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NAME  James F. Haney	POSITION TITLE  Professor		
eRA COMMONS USER NAME JHANNEY			
EDUCATION/TRAINING <i>(Begin with baccalaureate or other initial professional education, such as nursing, and include postdoctoral training.)</i>			
INSTITUTION AND LOCATION	DEGREE <i>(if applicable)</i>	YEAR(s)	FIELD OF STUDY
Miami University	B.A.	1961	Zoology
Miami University	M.A.	1963	Zoology
University of Toronto	Ph.D.	1970	Zoology
Kellogg Biological Station, Michigan State Univ.	Postdoc	1970-1972	Limnology

### A. Positions and Honors

2008-present	Professor, Dept of Biological Sciences, University of New Hampshire
2000-2008	Department Chair, Zoology Department, University of New Hampshire
1984-2000	Professor, Zoology Department, University of New Hampshire
1978-1984	Associate Professor, Zoology Department, University of New Hampshire
1973-1978	Assistant Professor, Zoology Department, University of New Hampshire
1994	Research Fellow, Max-Planck Institute of Limnology, Germany
1987	Visiting Research Scientist, DSIR Freshwater Laboratory, Taupo, New Zealand
1983	Visiting Research Scientist, Universidad Technica del Altiplano, Puno, Peru
1981	Visiting Research Scientist (summer), University of Oslo, Norway
1981	Research Fellow, Max-Planck Institute of Limnology, Germany
1979-Present	Co-Director of New Hampshire Lake Lay Monitoring Program
1977-1978	Alexander von Humboldt Fellow, University of Frankfurt, West Germany
1976-1986	Associate Professor of Zoology, University of New Hampshire
1972-1976	Assistant Professor of Zoology, University of New Hampshire
1970-1972	Teaching Assistant, Biological Station, Michigan State University
1968-1970	Teaching Assistant in Biology and Zoology, University of Toronto
1967	Instructor in Ecology, Yale University
1965-1966	Instructor in Zoology, Miami University
1965	Research Assistant, Great Lakes Research Division, University of Michigan
1963-1964	Research Assistant, Limnological Institute, University of Freiburg, Germany

### B. Selected Peer-Reviewed Publications (in chronological order)

1. Haney, J.F., D. J. Forsyth and M. R. James. 1994. Inhibition of zooplankton filtering rates by dissolved inhibitors produced by naturally occurring cyanobacteria.. Arch. Hydrobiol.132: 1-13.
2. Ikawa, M., J.J. Sasner, J.F. Haney, and T.L. Foxall. 1995. Pterins of the Cyanobacterium *Aphanizomenon flos-aquae*. Phytochemistry 38(5): 1229-1232.
3. Haney, J.F., J. Sasner and M. Ikawa. 1995. Effects of products released by *Aphanizomenon flos-aquae* and purified saxitoxin on the movements of *Daphnia carinata* feeding appendages. Limnol. Oceanogr. 40(2): 263-272.
4. Ikawa, M., J.F. Haney and J.J. Sasner. 1996. Inhibition of *Chlorella* growth by lipids of the cyanobacterium *Microcystis aeruginosa*. Hydrobiologia 331: 167-170.

5. Ikawa, M. J.J. Sasner and J.F. Haney. 1997. Inhibition of *Chlorella* growth by degradation and related products of linoleic and linolenic acids and the possible significance of polyunsaturated fatty acids in phytoplankton ecology. *Hydrobiologia* 356:143-148.
6. Trubetskova, I.L. and J. F. Haney. 2000. The impact of a toxic strain of *Microcystis aeruginosa* on *Daphnia magna*. *Crustacean Issues* 12: 457-462.
7. Ikawa, M. J. J. Sasner and J. F. Haney. 2001. Activity of cyanobacterial and algal odor compounds found in lake waters on green alga *Chlorella pyrenoidosa* growth. *J. Chem. Ecol.* 443: 19-22.
8. Schloss, A. L. and J. F. Haney, 2002, Direct observations of the activity responses of mayfly nymphs to relative light change and light intensity. *Arch. Hydrobiol.* 154 (3):353-374.
9. Haney et al. 2005. An Image-based Key to the Zooplankton of the Northeast, USA. Version 2.0. On line and sold as a CD by the Center for Freshwater Biology (see on-line at CFB.UNH.EDU).
10. Trubetskova, I. and J. F. Haney. 2006. Effects of differing concentrations of microcystin-producing *Microcystis aeruginosa* on growth, reproduction, survivorship and offspring of *Daphnia magna*. *Archiv f. Hydrobiol.* 167 (1-4): 533-546.
11. Smith, J.L. 2006. Foodweb transfer, accumulation, and depuration of microcystins, a cyanobacterial toxin, in pumpkinseed sunfish (*Lepomis gibbosus*). *Toxicon* 48: 580-589.
12. Carey, C. C. and J. F. Haney and K.L. Cottingham. 2007. First report of microcystin-LR in the cyanobacterium *Gloeotrichia echinulata*. *Environ. Toxicol.* 22 (3): 337-9.
13. Caller, T., J. Doolin, J. Haney, A. Murby, K. West, H. Farrar, A. Ball, B. Harris and E. Stommel. 2009. A cluster of amyotrophic lateral sclerosis in New Hampshire: A possible role for toxic cyanobacteria blooms. *Amyotrophic Lateral Sclerosis Suppl* 2: 101-108.

### C. Recent Research Support

US-EPA Agreement Number: R827407 1999 – 2001

“Early Signs & Determinants of Biotoxins (Microcystins) in Lakes”

Investigators: John J. Sasner, James F. Haney, Miyoshi Ikawa, & Jeff Schloss

USGS - UNH Water Resources Research Center 1998 - 2000

"A Survey of 50 NH Lakes for Microcystins"

Investigators: James F. Haney, Miyoshi Ikawa & John J. Sasner

USDA – Hatch #205 2001 - 2003

“Microcystins (MC) in NH Lakes and a Strategy for their Management”

Investigators: James F. Haney (PI), John J. Sasner & Miyoshi Ikawa

USDA – Hatch #469 2004 – 2006

““Sources of Microcystins (MCs) and Food Web Pathways in NH Lakes”

Investigators: James F. Haney (PI), J. Schloss, J. Sasner and M. Ikawa.

USEPA

“On-lake Remote Sensing of Water Quality”

2006-2007

Investigators: James F. Haney (PI) and Shane Bradt

USDA – Hatch NH00504 2007- present

“Microcystins in Lakes: localized impacts of blooms and implications for human health”

Investigators: James F. Haney (PI), J. Schloss and J. Sasner

USEPA

“Genetic barcoding of Zooplankton: a Tool for Monitoring Lake Zooplankton”

2006-2008

James F. Haney (PI)

USGS

2008-2009

“Assessing Impact of Clean Air Act on Acid Impacted Lakes”

Investigators: James F. Haney, Steve Kahl (PI), William McDowell and Katherine Webster

**Current/pending Grant Proposals:**

Schloss, J. A. and J.F. Haney. 2011-2012 Nutrient Loading in NH Lakes: Cyanobacteria Blooms and Impacts to Upper Trophic Levels \$35,920 total (including match), \$9,343 Federal share. USGS WRRC NIWR.